

Abstract**Water-dilutable polyurethane dispersions**

Water-dilutable polyurethane dispersions comprising structural units derived from polyisocyanates **A**, 5 polyols **B** having a number-average molar mass M_n of at least 400 g/mol, compounds **D** that contain at least two groups reactive towards isocyanate groups and at least one group capable of anion formation, low molar mass polyols **E** that do not carry any further groups reactive 10 towards isocyanate groups, compounds **G** that are monofunctional towards isocyanates or contain active hydrogen of different reactivity and that are different from the compounds **E**, characterised in that the polyols **B** contain a mass fraction of polycarbonate polyols **B1** of at least 85 %, and the use thereof in 15 coating compositions